

Serial No.: 09/423,356

C/ slave station transmitting video or audio by utilizing a minute-power wave; and a relay station placed between the master station and the slave station which are placed apart from each other by a distance longer than the reachable range of the minute-power wave; wherein a transmission signal from the master station includes, in addition to original information such as video or audio, information indicating the address of the slave station, and information indicating a frequency at which the self-station receives a signal from the relay station; the relay station modulates the frequency of the minute-power wave received from the master station to a different frequency and outputs it; the relay station transmits information about a frequency at which the self-station receives a signal from the slave station; and when the slave station recognizes that the transmission signal is a signal directed to the self-station, it modulates the minute-power wave to the frequency specified by the relay station and transmits the video or audio, thereby establishing a transmission path between the master station and the slave station.

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